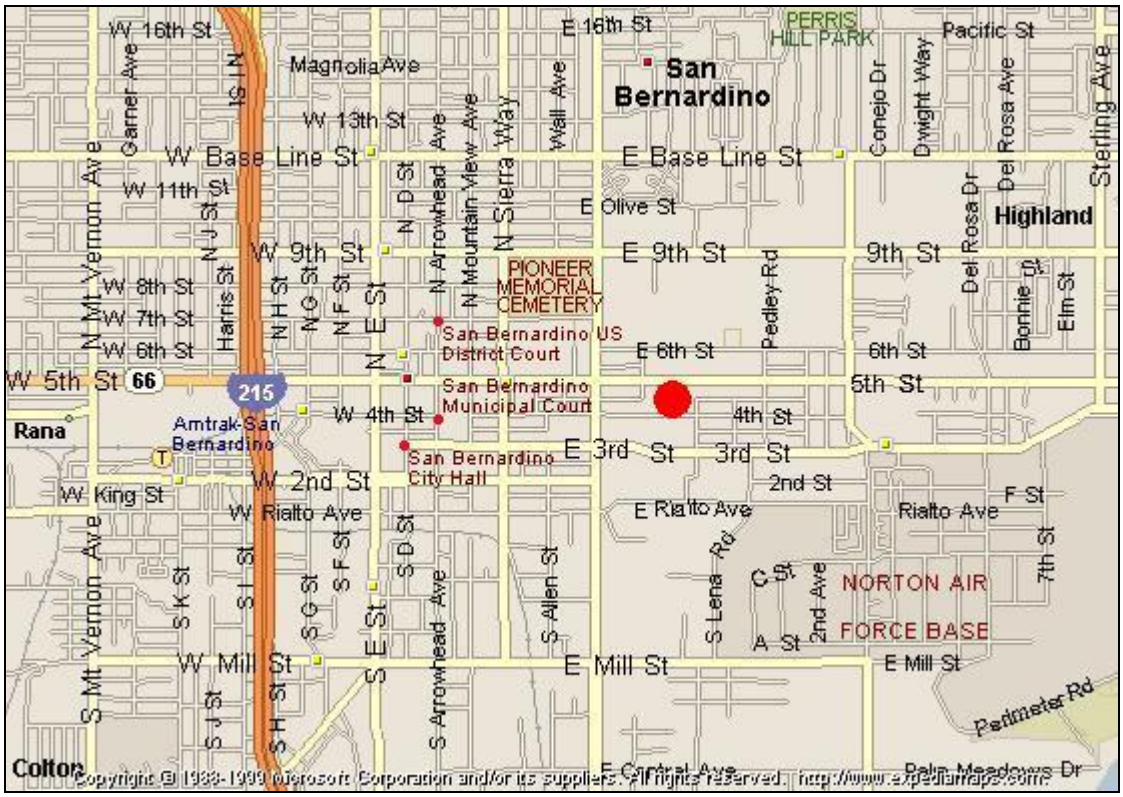
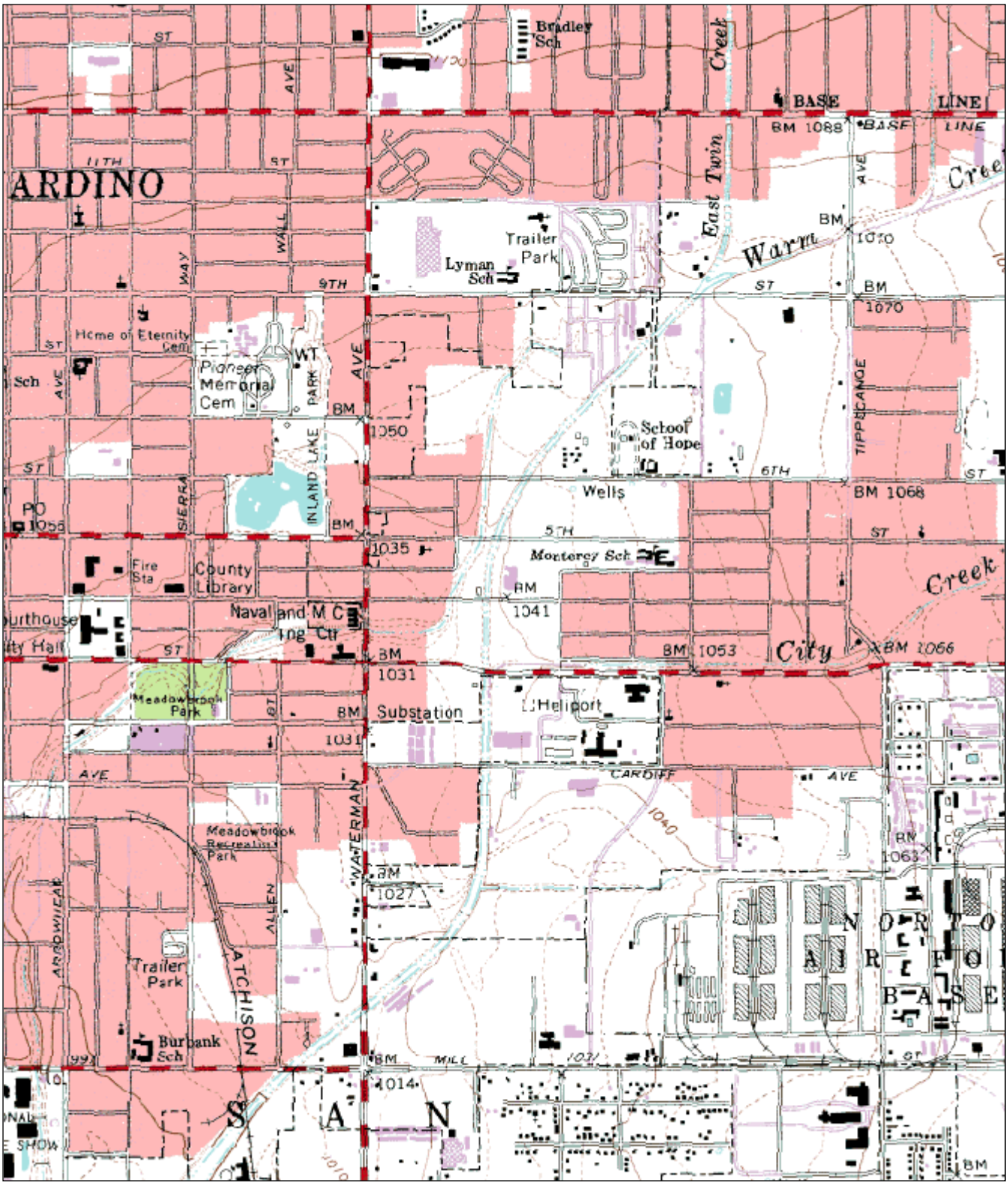
South Coast AQMD
Site Survey Report for San Bernardino

Last updated: May 10, 2021



AQS ID	ARB Number	Site Start Date	Reporting Agency and Agency Code
060719004	36203	05/1986	South Coast AQMD (0972)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
24302 E. 4th Street San Bernardino, CA 92410	San Bernardino	South Coast	34° 06' 24"N	117° 16' 26"W	316


ARDINO
Bradley Sch
East Twin Creek
BASE LINE
BM 1088
Trailer Park
Lyman Sch
Warm
BM 1070
Home of Eternity Cem
Pioneer Memorial Cem
WT PARK
BM 1050
School of Hope
Wells
BM 1068
PO 1055
Fire Sta
County Library
Naval and M C Ing Ctr
BM 1035
Monterey Sch
BM 1041
BM 1053
City
BM 1066
Creek
Meadowbrook Park
BM 1031
Substation
Heliport
CARDIFF AVE
1040
Meadowbrook Recreation Park
BM 1027
WATERMAN
ALLEN
ATCHISON
Trailer Park
Burbank Sch
BM 1014
NORTON AIR FORCE BASE
SAN

Detailed Site Information

Local site name	San Bernardino
AQS ID	060719004
GPS coordinates (decimal degrees)	Latitude: 34° 06’ 24” Longitude: 117° 16’ 26”
Street Address	24302 E. 4th Street, San Bernardino, CA 92410
County	San Bernardino
Distance to roadways (meters)	16 - 23
Traffic count (AADT, year)	2,500 / 2012
Groundcover (e.g. asphalt, dirt, sand)	Asphalt
Representative statistical area name (i.e. MSA, CBSA, other)	40140-Riverside-San Bernardino-Ontario, CA MSA

Pollutant, POC	Carbon Monoxide, 1	Nitrogen Dioxide, 1	Ozone, 1	Continuous PM10, 3
Primary / QA Collocated / Other	N/A	N/A	N/A	Other
Parameter code	42101	42602	44201	81102
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure	Population Exposure	Highest Concentration	Population Exposure
Monitor (type)	SLAMS	SLAMS	SLAMS	SLAMS
Network affiliation	N/A	N/A	N/A	N/A
Instrument manufacturer and model	Horiba APMA 370	Thermo 42i	Teledyne T400	MetOne 1020 BAM
Method code	158	074	087	122
FRM/FEM/ARM/ other	FRM	FRM	FEM	FEM
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	South Coast AQMD
Analytical Lab (i.e., weigh lab, toxics lab, other)	N/A	N/A	N/A	N/A
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	South Coast AQMD
Spatial scale (e.g. micro, neighborhood)	Middle	Urban	Neighborhood	Neighborhood
Monitoring start date (MM/DD/YYYY)	05/1986	05/1986	05/1986	09/01/2004
Current sampling frequency (e.g.1:3, continuous)	1:1	1:1	1:1	1;1
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	N/A	N/A	N/A
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	4.4	4.4	4.4	4.4
Distance from supporting structure (meters)	1.4	1.4	1.4	1.4
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A

Distance from obstructions not on roof (meters)	N/A	N/A	N/A	N/A
Distance from trees (meters)	N/A	N/A	N/A	N/A
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A
Distance between collocated monitors (meters)	N/A	N/A	N/A	2.6
Unrestricted airflow (degrees)	360°	360°	360°	360°
Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	N/A
Residence time for reactive gases (seconds)	7.0	11.9	7.8	N/A
Will there be changes within the next 18 months? (Y/N)	No	No	No	No
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	Monthly
Frequency of one-point QC check for gaseous instruments	Nightly	Nightly	Nightly	N/A
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	03/30/2020	03/30/2020	03/30/2020	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	N/A	05/19/2020 12/10/2020

Pollutant, POC	Lead, 2	24 Hour PM2.5, 1	PM10, 2	
Primary / QA Collocated / Other	Primary	Primary	Primary	
Parameter code	14129	88101	81102	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	
Monitor (type)	SLAMS	SLAMS	SLAMS	
Network affiliation	N/A	N/A	N/A	
Instrument manufacturer and model	GMW 1200 TSP	Thermo 2025i Partisol PM2.5	Tisch TE-6001	
Method code	110	145	141	
FRM/FEM/ARM/ other	FRM	FRM	FRM	
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Analytical Lab (i.e., weigh lab, toxics lab, other)	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date (MM/DD/YYYY)	09/1990	08/27/2008	01/1997	
Current sampling frequency (e.g.1:3, continuous)	1:6	1:3	1:6	
Calculated sampling frequency (e.g. 1:3/1:1)	1:6	1:3	1:6	
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	
Probe height (meters)	2.2	3.0	2.6	
Distance from supporting structure (meters)	1.2 *Stand itself is supporting structure.	2.0 *Stand itself is supporting structure.	1.6 *Stand itself is supporting structure.	
Distance from obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	
Distance from trees (meters)	N/A	N/A	N/A	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between collocated monitors (meters)	N/A	N/A	2.6	
Unrestricted airflow (degrees)	360°	360°	360°	
	N/A	N/A	N/A	

Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)				
Residence time for reactive gases (seconds)	N/A	N/A	N/A	
Will there be changes within the next 18 months? (Y/N)	No	No	No	
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	Yes	No	
Frequency of flow rate verification for manual PM samplers	Monthly	Monthly	Monthly	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	
Frequency of one-point QC check for gaseous instruments	N/A	N/A	N/A	
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A	
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	07/22/2020 12/16/2020	06/19/2020 12/03/2020	08/27/2020 The first of two semi-annual flow rate audits were not completed due to COVID-19.	

Pollutant, POC	WS & D, 1/1	RH/T, 1/1		
Primary / QA Collocated / Other	Primary	Primary		
Parameter code	61101/61102	62201/62101		
Basic monitoring objective(s)	NAAQS	NAAQS		
Site type(s)	Meteorological	Meteorological		
Monitor (type)	SLAMS	SLAMS		
Network affiliation	N/A	N/A		
Instrument manufacturer and model	RM Young 05305V	Rotronic HC2-S3		
Method code	065/065	063/063		
FRM/FEM/ARM/ other	N/A	N/A		
Collecting Agency	South Coast AQMD	South Coast AQMD		
Analytical Lab (i.e., weigh lab, toxics lab, other)	N/A	N/A		
Reporting Agency	South Coast AQMD	South Coast AQMD		
Spatial scale (e.g. micro, neighborhood)	Urban/Middle/ Neighborhood	Urban/Middle/ Neighborhood		
Monitoring start date (MM/DD/YYYY)	05/1986	05/1986		
Current sampling frequency (e.g.1:3, continuous)	Continuous	Continuous		
Calculated sampling frequency (e.g. 1:3/1:1)	1:1	1:1		
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31		
Probe height (meters)	10	9		
Distance from supporting structure (meters)	10	9		
Distance from obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	N/A	N/A		
Distance from trees (meters)	12	12		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between collocated monitors (meters)	N/A	N/A		
Unrestricted airflow (degrees)	360°	360°		
Probe material for reactive gases	N/A	N/A		

(e.g. Pyrex, stainless steel, Teflon)				
Residence time for reactive gases (seconds)	N/A	N/A		
Will there be changes within the next 18 months? (Y/N)	No	No		
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A		
Frequency of flow rate verification for manual PM samplers	N/A	N/A		
Frequency of flow rate verification for automated PM analyzers	N/A	N/A		
Frequency of one-point QC check for gaseous instruments	N/A	N/A		
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A		
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A		

San Bernardino
Site Photos

Looking North from the probe.

Looking East from the probe.

Looking South from the probe.

Looking West from the probe.

San Bernardino
Site Photos (Cont.)

Looking at the probe from the North.

Looking at the probe from the East.

Looking at the probe from the South.

Looking at the probe from the West.